

Recovery Plan Action Status

Plan Name: Revised Hawaiian Forest Birds Recovery Plan

Plan Status: Final Revision 1

Plan Date: 22-Sep-06

Lead Agency: USFWS

Lead Office: Pacific Islands Fish And Wildlife Office

(808)

792-9400)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailliei), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	1.1	Describe and delineate recovery areas	Complete	FY 2000 - FY 2004	FY 2000 - FY 2004	Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	1.3.1	Secure recovery area: Portions of TMKs 344014002 344014003 343010002 343010008	Partially Complete	FY 2000 - FY 2004		Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR. Currently leased for cattle grazing. By lease, conservation easement, change of jurisdiction, or change in land use designation to protective subzone of conservation.
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	1	1.3.10	Secure recovery area: TMK 344015002	Ongoing Current	FY 2005		Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division, currently leased for cattle grazing. Restore link between wet and dry forest communities. By lease, conservation easement, change of jurisdiction, or change in land use designation to conservation.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.11	Secure recovery area: Keauhou Ranch, TMK 399001004	Ongoing Current	FY 1995 - FY 1999		Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Remnant mesic koa and 'ohi'a forest. By lease or conservation easement. Currently a member of the Ola'a-Kilauea Partnership.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.12	Secure recovery area: Kapapala Ranch, Portions of TMK 398001010	Not Started			Land Division, Hawaii Department of Land and Natural Resources, Kapapala Ranch	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division, Kapapala Ranch. Currently leased for cattle grazing. Restorable. A link between forest to the east and west. By lease, conservation easement, or change in land use designation to conservation.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.13	Secure recovery area: Ka'ū Forest Reserve, TMK 397001007	Not Started			Mauna Kea Agribusiness	Work type not yet selected	Labor type not yet selected	The Nature Conservancy of Hawai'i. Protect wet forest habitat from development.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.14	Secure recovery area: Ka'ū Forest Reserve, Portions of TMKs 397001006 and 397001005	Ongoing Current	FY 2000 - FY 2004		Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Protect wet forest habitat from development. By lease, conservation easement, partnership agreement, or purchase from willing seller.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	1.3.15	Secure recovery area: Kahuku Ranch, Portions of TMK 392001002	Complete	FY 2000 - FY 2004	FY 2005	Samuel M. Damon Trust, Kahuku Ranch	Work type not yet selected	Labor type not yet selected	Recently purchased by Hawai'i Volcanoes National Park. Valuable wet and mesic forest habitat that links Ka'ū Forest and South Kona Forest. Restorable.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.16	Secure recovery area: Honomalino, TMKs 389006004 and 389006029	Not Started			Scott C. Rolles Trust	Work type not yet selected	Labor type not yet selected	Scott C. Rolles Trust. Links Ka'ū Forest and South Kona Forest. By lease, conservation easement, partnership, change in land use designation, or purchase from willing seller.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.17	Secure recovery area: Papa, TMK 388001001	Complete	FY 2000 - FY 2004	FY 2006	The Nature Conservancy of Hawaii	Work type not yet selected	Labor type not yet selected	The Nature Conservancy, Kona Hema Preserve. Recently sold by Koa Aina Ventures. A link between Ka'ū Forest and South Kona Forest.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.18	Secure recovery area: Portions of TMKs 388001003 388001004 387012001 392001005 387012003 387012004 387001007 387001006 387001011 387001004	Not Started			Yee Hop Ranch Ltd.	Work type not yet selected	Labor type not yet selected	Yee Hop Ranch Ltd. Provides links between state owned land parcels and protects contiguous forest habitat in South Kona from development. By lease, conservation easement, partnership agreement, change in land use designation, or purchase from willing seller.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	1.3.19	Secure recovery area: `Alae Ranch, Portions of TMK 387001014	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division. Currently leased for cattle grazing. By conservation easement, lease, change of jurisdiction, or change in land use designation to conservation protective subzone.
Nukupu'u (honeycreeper) (Hemignathus lucidus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	1	1.3.2	Secure recovery area: Kanakaleonui Corridor, TMK 338001009	Ongoing Current	FY 2000 - FY 2004		Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL. Provides vital link between mesic koa forest and dry mamane forest. By conservation easement, lease, or partnership. Remove grazing and enhance natural communities. 525 acres fenced and ungulates removed.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.20	Secure recovery area: McCandless Ranch, Portions of TMKs 392001003 and 386001001	Ongoing Current	Prior to FY 1995		McCandless Ranch	Work type not yet selected	Labor type not yet selected	McCandless Ranch. Protect contiguous forest habitat in South Kona from development. By lease, conservation easement, partnership agreement, change in land use designation, or purchase from willing seller.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.21	Secure recovery area: Waiea Tract, TMK 386001003	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR. Land Division. Protect contiguous forest habitat in South Kona from continued degradation. Currently leased for cattle grazing. By conservation easement, lease, change of jurisdiction, or change in land use designation to conservation protective subzone.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.22	Secure recovery area: Kealia Ranch, TMK 385001001	Ongoing Not Current	FY 1995 - FY 1999		Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. By lease, conservation easement, partnership agreement, change in land use designation, or purchase from willing seller.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	1.3.23	Secure recovery area: Honaunau Forest, TMKs 384001001 384001002 383001001 383001002	Ongoing Current	FY 2000 - FY 2004		Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. By lease, conservation easement, partnership agreement, change in land use designation, or purchase from willing seller.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.24	Secure recovery area: Kealia Ranch, Portions of TMK 385001002	Ongoing Not Current	FY 1995 - FY 1999		Elizabeth Stack et al.	Work type not yet selected	Labor type not yet selected	Elizabeth Stack et al. Protect contiguous forest habitat in South Kona from development. By lease, conservation easement, partnership agreement, change in land use designation, or purchase from willing seller.

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Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	3	1.3.25	Secure recovery area: Portions of TMK 382001001	Not Started			Kealahakua Development Corp.	Work type not yet selected	Labor type not yet selected	Protect contiguous forest habitat in South Kona from development, and provide habitat for a second palila population. Restorable. By lease, conservation easement, partnership agreement, change in land use designation, or purchase from willing seller.
Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	1.3.26	Secure recovery area: Pu'u Lehua, Portions of TMKs 378001003 378001007 372002001 378001001	Ongoing Current	FY 2000 - FY 2004		Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Provides habitat for a second palila population. Restorable. By lease, conservation easement, partnership agreement, change in land use designation to conservation, or purchase from willing seller.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), 'O'u (honeycreeper) (Psittirostra psittacea)	2	1.3.3	Secure recovery area: Hilo Forest Reserve, Laupahoehoe Section, TMK 337001004	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Currently the Laupahoehoe Section of Hilo Forest reserve Area. By change in land use designation to conservation protective subzone. Mid-elevation forest with native tree canopy vulnerable to destruction by continued sustained yield pig hunting.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), 'O'u (honeycreeper) (Psittirostra psittacea)	2	1.3.4	Secure recovery area: Hilo Forest Reserve, Piha Section, TMK 333001004	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Important wet and mesic forest remnants. Currently the Piha Section of Hilo Forest Reserve, bounded on both sides by Hakalau Forest National Wildlife Refuge. By conservation easement or change in land use designation to protective subzone of conservation. Mid-elevation forest with intact native tree canopy vulnerable to destruction by sustained yield pig hunting.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	1.3.5	Secure recovery area: Kipuka 'Ainahou Nene Sanctuary, TMK 338001008	Ongoing Current	FY 2000 - FY 2004		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL, leased by DOFAW and currently under annual lease. A long-term lease should be negotiated.
Nukupu'u (honeycreeper) (Hemignathus lucidus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	1	1.3.6	Secure recovery area: Humu'ula, TMK 338001002	Ongoing Current	FY 2000 - FY 2004		Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL. Restorable. A vital link between wet and dry forest communities. Former lease for cattle grazing recently terminated. By lease, conservation easement, cooperative agreement, or partnership. Salvage senescent koa, scarify soil for koa regeneration, and cattle removal ongoing.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	1.3.7	Secure recovery area: Humu'ula, Portions of TMK 338001007	Ongoing Current	FY 2000 - FY 2004		Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL. Former lease to Parker Ranch for grazing. Restorable. A vital link between wet and dry forest communities. By lease, conservation easement, cooperative agreement, or partnership. 200 acres koa buffer planted between upper boundary if HFNWR and Kanakaleonui Road.
Nukupu'u (honeycreeper) (Hemignathus lucidus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	1.3.8	Secure recovery area: TMK 326018002	Not Started			Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL, adjacent to Hakalau Forest National Wildlife Refuge. Highest mesic forest remnant on the eastern slope of Mauna Kea. By lease, conservation easement, cooperative agreement, or partnership.
Nukupu'u (honeycreeper) (Hemignathus lucidus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	1.3.9	Secure recovery area: TMK 326018001	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division. Leased for cattle grazing. Important mesic and wet koa/ohi'a forest remnants, link between wet and dry forest communities. By lease, conservation easement, change of jurisdiction, or change in land use designation to conservation.
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.1.1	Reforest areas of on the Northeast slope of Mauna Kea, Portions of TMKs 344014002 344014003 343010002 343010008	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division. Reforest and restore pasturelands to dry mamane and mesic koa forest.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	2	2.1.10	Reforest areas of Pu'u 'O'o Ranch, TMK 326018001	Not Started			Land Division, Hawaii Department of Land and Natural Resources, Pu'u 'O'o Ranch	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division, leased to Pu'u 'O'o Ranch. Important mesic and wet koa/ 'ohi'a forest remnants, and vital link between wet and dry forest communities. Protect and reforest.
Akiapola' au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.1.11	Reforest areas of Ka'ohi, TMK 344015002	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division. Protect and reforest.
Akiapola' au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	1	2.1.12	Reforest areas of Mauna Kea Forest Reserve, TMK 344015002	Not Started			Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR. Restore montane dry mamane/naio forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	3	2.1.13	Reforest areas of Keauhou Ranch, TMK 399001004	Ongoing Current	FY 1995 - FY 1999		Keauhou Ranch, Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Reforest transition wet 'ohi'a, mesic koa and dry mamane/sandalwood.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	3	2.1.14	Reforest areas of HVNP, TMK 399001002	Ongoing Current	FY 1995 - FY 1999		Hawaii Volcanoes National Park	Work type not yet selected	Labor type not yet selected	Hawai'i Volcanoes National Park. Continue dryland forest restoration.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	2	2.1.15	Reforest areas of Kapapala Ranch, Portions of TMK 398001004	Not Started			Land Division, Hawaii Department of Land and Natural Resources, Kapapala Ranch	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division, Kap-pala Ranch. A link between forest communities to the east and west. Remove alien trees, restore montane dry koa, 'ohi'a and mamane forest.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	3	2.1.16	Reforest areas of Ka' y Forest Reserve, TMK 397001007	Not Started			Mauna Kea Agribusiness	Work type not yet selected	Labor type not yet selected	Mauna Kea Agribusiness. Protect and facilitate natural regeneration.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	2	2.1.17	Reforest areas of Ka' y Forest Reserve, Portions of TMKs 397001006 and 397001005	Ongoing Current	FY 1995 - FY 1999		Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Protect and facilitate natural regeneration.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	2	2.1.18	Reforest portions of TMK 392001002	Ongoing Current	FY 2000 - FY 2004		Samuel M. Damon Trust	Work type not yet selected	Labor type not yet selected	Samuel M. Damon Trust. Valuable wet and mesic forest habitat needs restoring. A link between Ka' y Forest and the South Kona Forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	3	2.1.19	Reforest areas of Honomalino, TMKs 389006004 389006029	Not Started			Scott C. Rolles Trust	Work type not yet selected	Labor type not yet selected	Scott C. Rolles Trust. A link between Ka' y Forest and South Kona Forest. Protect and restore montane mesic koa forest.
Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui), Akikiki (Oreomystis bairdi)	1	2.1.2	Reforest areas of the Kanakaleonui Corridor, TMK 338001009	Ongoing Current	FY 2000 - FY 2004		Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL. Provides a vital link between mesic koa forest and dry mamane forest. Restore upper pasturelands. Discussion ongoing for which areas and tree species need to be planted.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	2.1.20	Reforest areas of Papa, TMK 388001001	Not Started			Koa Aina Ventures	Work type not yet selected	Labor type not yet selected	The Nature Conservancy, Kona Hema Preserve. Recently sold by Koa Aina Ventures. A link between Ka'ŷ Forest and South Kona Forest. Restore montane mesic koa forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	2.1.21	Reforest areas of Honomalino, TMK 389001001	Ongoing Current	FY 1995 - FY 1999		The Nature Conservancy of Hawaii	Work type not yet selected	Labor type not yet selected	The Nature Conservancy of Hawai'i. Continue forest restoration program.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.1.22	Reforest areas of Honomalino Forest Reserve, TMK 389001002	Not Started			Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Restore montane mesic koa and 'ohi'a forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.1.23	Reforest areas of Yee Hop Ranch, Portions of TMKs 388001003 388001004 387012001 392001005 387012003 387012004 387001007 387001006 387001011 387001004	Not Started			Yee Hop Ranch Ltd.	Work type not yet selected	Labor type not yet selected	Yee Hop Ranch Ltd. Provides links between State land parcels and protects contiguous forest habitat in South Kona from development. Protect and restore wet 'ohi'a, mesic koa and dry mamane/naio forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.1.24	Reforest areas of Kona Forest NWR, TMK 386001001	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	USFWS. Restore montane mesic koa and 'ohi'a forest.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	2.1.25	Reforest areas of 'Alae Ranch, Portions of TMK 387001014	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division, leased to 'Alae Ranch. Protect and restore wet 'ohi'a forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.1.26	Reforest areas of McCandless Ranch and E. Stack et al., Portions of TMKs 392001003 386001001 385001002	Planned	FY 2006		McCandless Ranch	Work type not yet selected	Labor type not yet selected	Protects contiguous forest habitat in South Kona from development. Restore pasture to mesic koa and dry mamane/naio forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.1.27	Reforest areas of Waiea Tract, TMK 386001003	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division. Protects contiguous mesic koa forest habitat in South Kona.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.1.28	Reforest areas of Kealia Ranch, TMK 385001001 and Portions of TMKs 384001001 and 383001001	Not Started			Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Restore mesic koa forest and dry mamane/naio forest.
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	3	2.1.29	Reforest areas of TMK 382012001	Not Started			Kealakekua Development Corp.	Work type not yet selected	Labor type not yet selected	Kealakekua Development Corp. Protect contiguous forest habitat in South Kona, provide habitat for a second palila population. Restore wet 'ohi'a, mesic koa and dry montane mamane forest.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), 'O'u (honeycreeper) (Psittirostra psittacea)	3	2.1.3	Reforest areas of the Hilo Forest Reserve, Laupahoehoe Section, TMK 337001004	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Remove alien trees, restore transition forest from wet 'ohi'a to mesic koa.
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.1.30	Reforest areas of Pu'u Lehua, Portions of TMKs 378001003 378001007 378001002 378001001	Ongoing Current	FY 2000 - FY 2004		Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Protects contiguous forest habitat in South Kona from development, and provide habitat for a second palila population. Restore mesic koa and dry montane mamane forest.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), 'O'u (honeycreeper) (Psittirostra psittacea)	3	2.1.4	Reforest areas of the Hilo Forest Reserve, Piha Section, TMK 333001004	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Remove alien trees. Restore transition forest from wet 'ohi'a to mesic koa. Facilitate understory regeneration.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.1.5	Reforest areas of Hakalau Forest NWR, TMKs 337001010 329005005 333001007 329005003	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	USFWS. Remove alien trees and continue successful forest restoration program.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	2.1.6	Reforest areas of Kipuka `Ainahou Nene Sanctuary, TMK 338001008	Ongoing Current	FY 1995 - FY 1999		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL, leased by DOFAW. Facilitate canopy tree and understory regeneration.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.1.7	Reforest areas of Humu'ula, TMK 338001002	Ongoing Current	FY 2000 - FY 2004		Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL. Restorable. A vital link between wet and dry forest. Reforest pasturelands to transition forest from mesic koa to dry mamane. Salvage senescent koa, scarify soil for koa regeneration, and cattle removal ongoing.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.1.8	Reforest areas of Humu'ula, Portions of TMK 338001007	Ongoing Current	FY 2005		Parker Ranch, Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL, former lease to Parker Ranch. Reforest pasturelands to native montane dryland habitat. 200 acre koa buffer planted between upper boundary of HFNWR and Kanakaleonui Road.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.1.9	Reforest areas of Lama'ia Section, TMK 326018002	Not Started			Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL, adjacent to Hakalau Forest National Wildlife Refuge. Vital link between montane mesic forest and montane dry forest. Protect existing forest and reforest pasturelands.

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Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.2.1	Reduce or eliminate the detrimental effects of ungulates on vegetation on the northeast slopes of Mauna Kea, Portions of TMKs 344014002 344014003 343010002 343010008	Ongoing Current	FY 2005		Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division.
Hawaii akepa (honeycreeper) (Loxops coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.2.10_11	Reduce or eliminate the detrimental effects of ungulates on vegetation within Waiakea Forest Reserve, TMK 324008001	Ongoing Not Current	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Fence and remove ungulates.
Hawaii akepa (honeycreeper) (Loxops coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.2.12	Reduce or eliminate the detrimental effects of ungulates on vegetation within 'Ola'a/Kilauea Partnership, TMKs 324008009 399001007 399001004 324008025 319001001 319001007	Ongoing Current	FY 1995 - FY 1999		Keauhou Ranch, Kamehameha Schools, Maka'ala Natural Area Reserve, Hawaii Volcanoes National Park, Kalani Correctional Facility	Work type not yet selected	Labor type not yet selected	Kamehameha Schools, Keauhou Ranch. Kyalani Correctional Facility, Pu'u Maka'ala NAR, HVNP.
Hawaii akepa (honeycreeper) (Loxops coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.13	Reduce or eliminate the detrimental effects of ungulates on vegetation within Kapapala Forest Reserve, Portions of TMK 398001004	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division, Kapapala Forest Reserve. Fence and remove ungulates.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), 'O'u (honeycreeper) (Psittirostra psittacea)	1	2.2.14	Reduce or eliminate the detrimental effects of ungulates on vegetation within Ka'ū Forest Reserve, TMK 397001001	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW, Ka'ū Forest Reserve. Fence and remove ungulates.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.2.15	Reduce or eliminate the detrimental effects of ungulates on vegetation within Kahuku Ranch, Portions of TMK 392001002	Ongoing Current	FY 2006			Work type not yet selected	Labor type not yet selected	Recently purchased by NPS. Fence and remove ungulates, particularly mouflon sheep. ū
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.16	Reduce or eliminate the detrimental effects of ungulates on vegetation within Manuka NAR, Upper Portions of TMK 391001002	Partially Complete	FY 1995 - FY 1999		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Fence and remove ungulates.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	2.2.17	Reduce or eliminate the detrimental effects of ungulates on vegetation within Honomalino, TMK 389001001	Complete	FY 2000 - FY 2004	FY 2006	The Nature Conservancy of Hawaii	Work type not yet selected	Labor type not yet selected	The Nature Conservancy of Hawai'i. Fence and remove ungulates.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	2.2.18	Reduce or eliminate the detrimental effects of ungulates on vegetation within Yee Hop Ranch, TMK 392001005	Not Started			Yee Hop Ranch Ltd.	Work type not yet selected	Labor type not yet selected	Yee Hop Ranch Ltd. Fence and remove ungulates.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.19	Reduce or eliminate the detrimental effects of ungulates on vegetation within Kona Forest NWR, TMK 386001001	Planned	FY 2005		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	USFWS. Fence and remove ungulates.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	1	2.2.2	Reduce or eliminate the detrimental effects of ungulates on vegetation within Kanakaleonui Corridor, TMK 338001009	Ongoing Current	FY 2006		Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL. Provides vital link between mesic koa forest and dry mamane forest. No longer leased for cattle grazing. 525 acres fenced and all ungulates removed.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.20	Reduce or eliminate the detrimental effects of ungulates on vegetation within McCandless Ranch, Portions of TMKs 392001003 386001001 385001002	Partially Complete	Prior to FY 1995		McCandless Ranch, Elizabeth Stack et al.	Work type not yet selected	Labor type not yet selected	McCandless Ranch and E. Stack et al. Fence and remove ungulates.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.21	Reduce or eliminate the detrimental effects of ungulates on vegetation within Waiea Tract, TMK 386001003	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division. Fence and remove ungulates.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.22	Reduce or eliminate the detrimental effects of ungulates on vegetation within Honaunau Forest, TMKs 384001001 384001002 383001001 383001002	Not Started			Kamehameha Schools	Work type not yet selected	Labor type not yet selected	Kamehameha Schools. Fence and remove ungulates

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Crested honeycreeper (Palmeria dolei), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Po'ouli (honeycreeper) (Melamprosops phaeosoma), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	2.2.29	Reduce or eliminate the detrimental effects of ungulates on vegetation within Kipahulu Forest Reserve, Kuku'i'ula, TMK 216001007	Not Started			J. Haili	Work type not yet selected	Labor type not yet selected	J. Haili. Encourage ungulate control and fencing.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.3	Reduce or eliminate the detrimental effects of ungulates on vegetation within Hilo Forest Reserve, Laupahoehoe and Piha Sections, TMKs 337001004 333001004	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DOFAW. Currently managed for game hunting.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.2.4	Reduce or eliminate the detrimental effects of ungulates on vegetation within Hakalau Forest NWR, TMKs 337001010 329005005 333001007 329005005 329005003	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	USFWS. Ungulate control under way. Construct additional fences and control ungulates in unmanaged areas.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.2.5	Reduce or eliminate the detrimental effects of ungulates on vegetation within Lama'ia Section, TMK 326018002	Not Started			Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHL, adjacent to Hakalau Forest National Wildlife Refuge. Encourage fencing and ungulate removal.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	2	2.2.6	Reduce or eliminate the detrimental effects of ungulates on vegetation within Pu'u 'O'o Ranch, TMK 326018001	Not Started			Land Division, Hawaii Department of Land and Natural Resources, Pu'u 'O'o Ranch	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division, Pu'u 'O'o Ranch lease. Encourage fencing and ungulate removal.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	2	2.2.7	Reduce or eliminate the detrimental effects of ungulates on vegetation within Kipuka 'Ainahou Nene Sanctuary, TMK 338001008	Not Started			Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i DHHHL. Encourage fencing and ungulate removal.
Akiapola' au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.2.8	Reduce or eliminate the detrimental effects of ungulates on vegetation within Ka'ohi, TMK 344015002	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR, Land Division. Suspend lease. Fence and remove ungulates.
Akiapola' au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	1	2.2.9	Reduce or eliminate the detrimental effects of ungulates on vegetation within Mauna Kea Forest Reserve, TMKs 344015001 344016003 338001004.	Ongoing Current	Prior to FY 1995		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i DLNR. Palila critical habitat. Continue to remove ungulates. Since 2008, \$2,247,473 has been obligated to build new ungulate fencing around palila critical habitat. Construction of the new fence, beginning on the southwest side of Mauna Kea and proceeding east, will begin in latter 2010.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.3	Reduce or eliminate the detrimental effects of exotic plants through mechanical, chemical, or biological means, as appropriate	Ongoing Current	FY 1995 - FY 1999		All Land Managers [Hawaiian forests]	Work type not yet selected	Labor type not yet selected	
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.4.1.1	Control alien mammalian predators by trapping, poisoning and other means on northeastern slopes of Mauna Kea, Portions of TMKs 344014002 344014003 343010002 343010008	Ongoing Current	FY 2000 - FY 2004		Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i State, DLNR State Land Division.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.10_11	Control alien mammalian predators by trapping, poisoning and other means in Waiakea Forest Reserve, TMK 324008001	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i State DLNR, DOFAW.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.4.1.12	Control alien mammalian predators by trapping, poisoning and other means in 'Ola'a/Kilauea Partnership, TMKs 324008009 399001007 399001004 324008025 319001001 319001007	Ongoing Not Current	FY 2000 - FY 2004		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Keauhou Ranch, Kamehameha Schools, Hawaii Volcanoes National Park	Work type not yet selected	Labor type not yet selected	Kamehameha Schools, Keauhou Ranch, Kīlani Correctional Facility, Pu'u Maka'ala NAR, HVNP.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.13	Control alien mammalian predators by trapping, poisoning and other means in Kapapala Forest Reserve, Portions of TMK 398001004	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i State DLNR State Land Division, Kapapala Forest Reserve.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), 'O'u (honeycreeper) (Psittirostra psittacea)	1	2.4.1.14	Control alien mammalian predators by trapping, poisoning and other means in Ka'ū Forest Reserve, TMK 397001001	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i State DLNR, DOFAW, Ka'ū Forest Reserve.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.15	Control alien mammalian predators by trapping, poisoning and other means in Kahuku Ranch, portions of TMK 392001002	Not Started			Samuel M. Damon Trust	Work type not yet selected	Labor type not yet selected	Samuel M. Damon Trust. Purchase by NPS.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.16	Control alien mammalian predators by trapping, poisoning and other means in Manuka NAR, Upper portions of TMK 391001002	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.17	Control alien mammalian predators by trapping, poisoning and other means in TNCH, Honomalino, TMK 389001001	Not Started			The Nature Conservancy of Hawaii	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.18	Control alien mammalian predators by trapping, poisoning and other means in Yee Hop Ranch, TMK 392001005	Not Started			Yee Hop Ranch Ltd.	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.4.1.19	Control alien mammalian predators by trapping, poisoning and other means in Kona Forest NWR, TMK 386001001	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.4.1.2	Control alien mammalian predators by trapping, poisoning and other means in Kanakaleonui Corridor, TMK 338001009	Not Started			Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i State, DHHL. Provides a vital link between mesic koa forest and dry mamane forest habitats.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.20	Control alien mammalian predators by trapping, poisoning and other means in McCandless Ranch, TMKs 392001003 386001001 385001002	Ongoing Not Current	Prior to FY 1995		McCandless Ranch	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.21	Control alien mammalian predators by trapping, poisoning and other means in Waiea Tract, TMK 386001003	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.22	Control alien mammalian predators by trapping, poisoning and other means in Honaunau Forest, TMKs 384001001 384001002 383001001 383001002	Not Started			Kamehameha Schools	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.24	Control alien mammalian predators by trapping, poisoning and other means in Pu'u Wa'awa'a Bird Sanctuary, TMKs 371001001 and 371001006	Ongoing Not Current	FY 1995 - FY 1999		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.3	Control alien mammalian predators by trapping, poisoning and other means in Hilo Forest Reserve, Laupahoehoe and Piha Sections, TMKs 337001002 and 333001004	Not Started			Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i State, DLNR, DOFAW. Currently managed for game hunting.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.4.1.4	Control alien mammalian predators by trapping, poisoning and other means in Hakalau Forest NWR, TMKs 337001010 333001007 329005005 329005003	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Currently managed forest bird habitat.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.5	Control alien mammalian predators by trapping, poisoning and other means in TMK 326018002	Not Started			Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i State DHHL, adjacent to Hakalau Forest National Wildlife Refuge.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.6	Control alien mammalian predators by trapping, poisoning and other means in Pu'u O'o Ranch, TMK 326018001	Not Started			Land Division, Hawaii Department of Land and Natural Resources, Pu'u O'o Ranch	Work type not yet selected	Labor type not yet selected	Hawai'i State, State Land Division, Pu'u O'o Ranch lease.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.4.1.7	Control alien mammalian predators by trapping, poisoning and other means in Kipuka `Ainahou Nene Sanctuary, TMK 338001008	Not Started			Department of Hawaiian Home Lands	Work type not yet selected	Labor type not yet selected	Hawai'i State, DHHL.
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.4.1.8	Control alien mammalian predators by trapping, poisoning and other means in Ka'ohu 344015002	Not Started			Land Division, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i State DLNR State Land Division.
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	1	2.4.1.9	Control alien mammalian predators by trapping, poisoning and other means in Mauna Kea Forest Reserve, TMKs 344015001 344016003 338001004	Ongoing Current	FY 1995 - FY 1999		Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Hawai'i State DLNR. Palila critical habitat.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.4.2	Continue the public information campaign explaining the need for aerial broadcast of diphacinone for conservation purposes.	Ongoing Current	FY 2000 - FY 2004		State and Federal Agencies	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.4.3	Examine feasibility/ appropriateness of time/area closure of public use areas when using broadcast application of diphacinone	Ongoing Current	FY 2000 - FY 2004		State and Federal Agencies	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.1.1	Enforce existing quarantine laws for importation of pet birds	Ongoing Current	FY 1995 - FY 1999		Hawaii Department of Agriculture, Avian Disease Working Group, U.S. Department of Agriculture	Work type not yet selected	Labor type not yet selected	Total cost based on equivalent of one additional enforcement officer per year for 30 years.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.1.2	Work with Postal Service and the State Department of Agriculture to ban shipments of day-old poultry and game birds to Hawai'i via first class mail	Ongoing Current	FY 2000 - FY 2004		Hawaii Department of Agriculture, Avian Disease Working Group, U.S. Postal Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.1.3.1	Develop a list of priority diseases that should be screened for in all imported cage birds and poultry, and establish monitoring program for new diseases	Ongoing Current	FY 2000 - FY 2004		Avian Disease Working Group	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.1.3.2	Respond to and determine causes of avian disease outbreaks	Ongoing Current	FY 2000 - FY 2004		Avian Disease Working Group	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.1.4	Work to stop global warming	Ongoing Current	FY 2005		Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.2.1	Initiate inspection programs for all interisland vessels, including ships, airplanes, and barges and their cargos, to intercept and kill mosquito larvae and adults	Ongoing Not Current	FY 2000 - FY 2004		Hawaii Department of Agriculture, Avian Disease Working Group, U.S. Department of Agriculture	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.2.2	Enforce and toughen existing laws that require health certificates for interisland movement of pet birds and poultry	Ongoing Not Current	FY 2000 - FY 2004		Research Institutions, State and Federal Agencies	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.5.2.3	Establish disease monitoring protocols for captive native birds to assess presence of avian disease in captive held populations and risk of transfer of disease strains between avian captive holding facilities	Ongoing Current	Prior to FY 1995		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Avian Disease Working Group, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (<i>Loxops coccineus coccineus</i>), Nukupu' u (honeycreeper) (<i>Hemignathus lucidus</i>), Crested honeycreeper (<i>Palmeria dolei</i>), Small Kauai (=puaiohi) Thrush (<i>Myadestes palmeri</i>), Hawaii creeper (<i>Oreomystis mana</i>), Kauai akialoa (honeycreeper) (<i>Hemignathus procerus</i>), Akiapola' au (honeycreeper) (<i>Hemignathus munroi</i>), Kauai 'o' o (honeyeater) (<i>Moho braccatus</i>), Po'ouli (honeycreeper) (<i>Melamprosops phaeosoma</i>), 'O' u (honeycreeper) (<i>Psittirostra psittacea</i>), Palila (honeycreeper) (<i>Loxioides bailleui</i>), Oahu Elepaio (<i>Chasiempis sandwichensis ibidis</i>), Akikiki (<i>Oreomystis bairdi</i>), Large Kauai (=kamao) Thrush (<i>Myadestes myadestinus</i>), Maui parrotbill (honeycreeper) (<i>Pseudonestor xanthophrys</i>)	2	2.5.2.3.1	Develop a list of diseases of concern for which captive birds should be routinely tested before they can be transferred between avian captive holding facilities	Ongoing Current	FY 2006		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Avian Disease Working Group, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (<i>Loxops coccineus coccineus</i>), Hawaii creeper (<i>Oreomystis mana</i>), Akiapola' au (honeycreeper) (<i>Hemignathus munroi</i>)	3	2.5.3.1.1.1	Mosquito surveys on Hawai'i between 2,000 and 5,000 ft. on Mauna Loa and Kilauea that include recovery area	Not Started			Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), 'O'u (honeycreeper) (Psittirostra psittacea)	1	2.5.3.1.1.2	Mosquito surveys on Hawai'i between 3,400 and 5,000 ft. on Mauna Kea that include recovery area	Ongoing Current	FY 2000 - FY 2004		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	2.5.3.1.1.3	Mosquito surveys between 3,400 and 5,000 ft. on Hualalai that include recovery area, portions of TMKs 371001001, 372002001, 374002008, 374001003, 374002007, 374001002	Ongoing Current	FY 2000 - FY 2004		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.5.3.1.1.4	Mosquito surveys of windward Hamakua between 3,400 and 2,000 ft. on Mauna Kea adjacent to or within 3 km of recovery area	Not Started			Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	2.5.3.1.1.5	Mosquito surveys on Kilauea adjacent to or within 3 kilometers of recovery area	Ongoing Current	FY 2000 - FY 2004		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	2.5.3.1.1.6	Mosquito surveys on Hualalai adjacent to or within 3 km of recovery area	Not Started			Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.3.1.2	Eliminate or treat mosquito breeding sites in recovery area and adjacent areas at elevations below 5,000 ft. with BTI (Dunk7) or other environmentally compatible pesticides that are safe for non-target organisms	Ongoing Not Current	FY 1995 - FY 1999		All Land Managers [Hawaiian forests], State and Federal Agencies	Work type not yet selected	Labor type not yet selected	Cost approximate; will depend on findings of vector surveys to identify and prioritize areas for treatment and results of experimental treatments of efficiency and effects on non-target species.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.3.1.3	Eliminate or treat mosquito breeding habitat associated with human development (e.g., residential areas, agricultural sites); coordinate efforts with the State Department of Health	Ongoing Not Current	FY 2000 - FY 2004		Hawaii Department of Health, All Land Managers [Hawaiian forests], Hawaii Department of Education, State and Federal Agencies	Work type not yet selected	Labor type not yet selected	Cost approximate; will depend on findings of vector surveys to identify and prioritize areas for treatment and results of experimental treatments of efficiency and effects on non-target species.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.3.1.3.1	Eliminate or treat cattle troughs and stock ponds	Ongoing Current	FY 1995 - FY 1999		Hawaii Department of Health, All Land Managers [Hawaiian forests], Hawaii Department of Education	Work type not yet selected	Labor type not yet selected	Use findings from vector surveys to identify and prioritize areas for treatment.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.3.1.3.2	Eliminate or treat game bird waterers in areas where they might impact native forest birds	Ongoing Not Current	FY 2000 - FY 2004		All Land Managers [Hawaiian forests], State and Federal Agencies	Work type not yet selected	Labor type not yet selected	Use findings from vector surveys to identify and prioritize areas for treatment.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.3.1.3.3	Repair rain gutters, cover catchment tanks, and eliminate containers that catch and hold rainwater around residential and agricultural sites near recovery area	Ongoing Current	FY 1995 - FY 1999		Hawaii Department of Health, All Land Managers [Hawaiian forests], Hawaii Department of Education	Work type not yet selected	Labor type not yet selected	Use findings from vector surveys to identify and prioritize areas for treatment.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.3.1.3.4	Initiate public outreach efforts to inform the public about potential human and animal diseases transmitted by mosquitoes and how source reduction can reduce those threats	Ongoing Current	FY 2005		Hawaii Department of Health, All Land Managers [Hawaiian forests], Hawaii Department of Education	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.3.1.4.1	Identify and fence priority recovery areas at elevations below 5,000 ft. and control feral ungulates to prevent creation of new larval habitats	Ongoing Not Current	FY 1995 - FY 1999		All Land Managers [Hawaiian forests], State and Federal Agencies	Work type not yet selected	Labor type not yet selected	Use findings from vector surveys to identify and prioritize areas for treatment.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.5.3.1.4.2	Manually drain feral pig-damaged tree ferns that hold water and fill or drain pig wallows in appropriate areas to reduce mosquito breeding sites	Ongoing Not Current	FY 1995 - FY 1999		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, All Land Managers [Hawaiian forests], U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Use findings from vector surveys to identify and prioritize areas for treatment.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.5.3.1.5	Identify natural sites (e.g., stream margins, tree holes) that serve as larval habitat and determine feasibility of treatment or elimination	Ongoing Current	FY 1995 - FY 1999		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, All Land Managers [Hawaiian forests], U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Use findings from vector surveys to identify and prioritize areas for treatment.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.5.4.1	Insure that existing low elevation native bird populations and habitats within current zones of disease transmission are protected to preserve disease tolerant genotypes	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Avian Disease Working Group, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Identify low elevation native bird populations through statewide surveys, monitor status and trends of those populations, and work to insure that habitat is protected.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.5.4.2	Use birds that occur in areas with disease transmission as founders for translocations to establish new populations	Planned	FY 2005		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Avian Disease Working Group, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.5.5	Monitor long-term changes in the prevalence and transmission of avian diseases in recovery forest bird habitats	Ongoing Current	FY 2006		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Avian Disease Working Group, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Identify priority areas for long-term monitoring in areas that will be intensively managed.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.1.1	Encourage HDOA to modify import lists to exclude reptiles and amphibians from commercial sale	Not Started			Hawaii Department of Land and Natural Resources, Hawaii Department of Agriculture, USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.1.2	Encourage HDOA to modify import lists to decrease the numbers of vertebrate species allowed into the state	Not Started			Hawaii Department of Land and Natural Resources, Hawaii Department of Agriculture, USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.1.3	Assist HDOA obtain an enforcement branch to pursue smuggling and release violations	Not Started			Hawaii Department of Land and Natural Resources, Hawaii Department of Agriculture, USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.1.4	Encourage USFWS to adopt state injurious species lists as part of federal injurious wildlife list under the Lacey Act	Not Started			Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.1.6	Provide single point-of-exit at airports	Not Started			Hawaii Department of Land and Natural Resources, Hawaii Department of Agriculture, County Airports, Hawaii, USDA Animal and Plant Health Inspection Service, U.S. Federal Aviation Administration, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.1.7	Increase the numbers of HDOA and USDA inspectors to better cover nursery cargo and passenger baggage/hand-carry	Not Started			Hawaii Department of Agriculture, County Airports, Hawaii, U.S. Department of Agriculture	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.1.8	Secure congressional approval of USDA quarantine of mainland	Not Started			Hawaii Department of Land and Natural Resources, USDA Animal and Plant Health Inspection Service, U.S. Department of Agriculture, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.6.1.9	Prevent inter-island expansion of established vertebrates of restricted range, including brown treesnake	Ongoing Current	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources, Hawaii Department of Agriculture, USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.6.2	Eradicate all incipient populations of new nonnative vertebrates	Ongoing Not Current	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources, USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.6.2.1	Prevent spread of Eleutherodactylus frogs to new areas	Ongoing Not Current	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources, USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	2.6.2.2	Eradicate/control populations of Eleutherodactylus where possible	Ongoing Not Current	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources, USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	2.6.3	Reduce or eliminate the detrimental effects of vespulid wasps (yellow jackets) on forest birds within forest ecosystems	Ongoing Current	FY 1995 - FY 1999		Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	3	Develop captive propagation, translocation and related recovery strategies	Ongoing Current	Prior to FY 1995		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Annual and total costs for captive propagation program, which would implement all related recovery strategies.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	3.1	Periodically evaluate and identify the target species that will require captive propagation for recovery and the appropriate strategy to be used	Ongoing Current	FY 2000 - FY 2004		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	3.1	If egg collections fail, develop methods by which to bring nestling birds, juveniles, and/or adults into captivity with concomitant quarantine procedures	Ongoing Current	FY 2000 - FY 2004		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	action number 3.10

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Crested honeycreeper (Palmeria dolei), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	3.11.2	Establish a cryogenic cell culture of germplasm of the endangered Hawaiian avifauna at two partner institutions willing to hold the cell line in perpetuity: Obtain and hold cryogenic germplasm for all other endangered forest birds	Ongoing Current	FY 2000 - FY 2004		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Avian Disease Working Group, Veterinary Consortium (state/federal/private clinicians) [Hawaiian forest birds], U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Aikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	3.12.1	Evaluate the Honolulu Zoo or other qualified institutions as repositories for those endangered species and/or individuals that are not contributing to the captive propagation program	Ongoing Current	FY 2000 - FY 2004		San Diego Zoological Society, Honolulu Zoo, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Veterinary Consortium (state/federal/private clinicians) [Hawaiian forest birds], U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	3.2	Develop captive propagation programs for target species, including both endangered and surrogate species	Ongoing Current	Prior to FY 1995		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	
Akiapola' au (honeycreeper) (Hemignathus munroi)	2	3.2.4	Collect eggs for incubation and captive rearing to establish a captive breeding flock whose progeny will be used for reintroduction into managed habitat	Ongoing Current	FY 2000 - FY 2004		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	'Akiapola' au.

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Akiapola`au (honeycreeper) (Hemignathus munroi)	2	3.3.4	Develop methods of evaluating, selecting, and preparing sites for release of endangered birds to ensure long-term persistence of `akiapola`au reintroduced to South Kona, Kapapala/Ka`ý, and upland forests of Mauna Kea	Ongoing Current	FY 2000 - FY 2004		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	`Akiapola`au.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Molokai thrush (Myadestes lanaiensis rutha), Molokai creeper (Paroreomyza flammea), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola au (honeycreeper) (Hemignathus munroi), Kauai `o`o (honeyeater) (Moho braccatus), Po`ouli (honeycreeper) (Melamprosops phaeosoma), `O`u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Maui akepa (honeycreeper) (Loxops coccineus ochraceus), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Bishop's `o`o (Moho bishopi), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys), Oahu creeper (Paroreomyza maculata)	1	3.4	Acquire funding to build additional facilities to maintain, propagate, incubate and rear endangered species and if necessary, surrogate species	Ongoing Current	FY 2000 - FY 2004		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Hawaii Forest Bird Recovery Team, U.S. Fish and Wildlife Service, Private Sector	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	3.5	Identify wild populations and/or individuals with potential natural disease resistance on a species by species basis	Ongoing Current	FY 2000 - FY 2004		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	3.6.1	Develop and refine techniques for the release of captive-reared birds into managed habitat: Monitor dispersal, survival, and mortality of released birds to refine propagation and release techniques	Ongoing Current	FY 1995 - FY 1999		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	3.6.2	Develop and refine techniques for the release of captive-reared birds into managed habitat: Develop and refine release (hacking) procedures	Ongoing Current	Prior to FY 1995		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	3.7	For each of the species identified as candidates for captive propagation, it is important to establish demographic goals for captive propagation program, i.e. how many birds to produce using which demographic strategy over what period of time and released into how many sites	Ongoing Current	FY 1995 - FY 1999		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	3.8	Develop species specific reintroduction guidelines based on risk assessments that consider the behavioral, disease, demographic and genetic needs of the species	Ongoing Current	FY 1995 - FY 1999		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	3.9	Provide biological material from captive held birds to an agreed holding location or locations determined on a species by species basis	Ongoing Current	FY 1995 - FY 1999		San Diego Zoological Society, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.1.1	Identify species-specific niche requirements and the role of habitat degradation and competition in reducing carrying capacity	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	4.10.1	Determine the basis for variation in population density and termination of range	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Hawai'i. Species: Hawai'i akepa, Hawai'i creeper, 'akiapola'au

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	4.10.12	Determine use of regenerating/restored canopy trees as substrates for feeding	Ongoing Current	FY 2000 - FY 2004		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Hawai'i. Species: Hawai'i akepa, Hawai'i creeper, akipola'au
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	1	4.10.15	Determine if tolerance or resistance to malaria and pox virus is evolving at the lower portion of the elevational range of these birds	Ongoing Current	FY 2000 - FY 2004		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Hawai'i. Species: Hawai'i akepa, Hawai'i creeper, akipola'au
Akiapola'au (honeycreeper) (Hemignathus munroi)	2	4.10.19	Document the basis of variation in size of home range in areas of different density of the bird and in areas with different forest structure	Ongoing Current	FY 2000 - FY 2004		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Hawai'i. Species: akipola'au
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	4.10.20	Determine genetic as well as morphological, behavioral, ecological, and vocal variation among core populations.	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Hawai'i; Mauna Kea and Hualalai. Species: Hawai'i akepa, Hawai'i creeper, akipola'au
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	4.10.24	Conduct population and metapopulation viability analyses and calculate lambda in populations in different portions of the recovery area	Ongoing Not Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Hawai'i. Species: Hawai'i akepa, Hawai'i creeper, akipola'au

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	4.10.3	Determine the role of food in timing of breeding, attempts to breed, and breeding success	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Hawai'i. Species: Hawai'i akepa, Hawai'i creeper, 'akiapola'au
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	4.2.1.1	Continue efforts to register hand and aerial broadcast methods for dispersing diphacinone toxicants for controlling predators	Ongoing Current	FY 2000 - FY 2004		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.1.2	Evaluate the efficacy of other toxicants than diphacinone for controlling mammalian predators and take the steps needed for their registration	Ongoing Current	FY 2000 - FY 2004		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	4.2.1.3	Develop and evaluate improved methods for controlling predators such as more efficient traps, contraceptives, and predator-proof fences for critical areas	Ongoing Current	FY 2007		University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	USFWS provided \$45,000 in 2007 to the Hawai'i Department of Land and Natural Resources, Division of Forestry and Wildlife to implement on a management basis smart trap technology developed by the U.S. Geological Survey in order to protect the small breeding population of reintroduced palila (Loxioides bailleui) on the north slope of Mauna Kea, Hawai'i, from predation by cats.

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.10	Avian competitor study	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Crested honeycreeper (Palmeria dolei), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.10.1	Investigate red-billed leiothrix as competitor and reservoir for disease for po'ouli and Maui parrotbill	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.12	Investigate nonnative invertebrates in forest habitats to determine distribution, direct and indirect interactions with native invertebrates, role as a prey base for nonnative birds and mammals, and effects on flora.	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	4.2.4	Mongoose study	Ongoing Current	FY 2000 - FY 2004		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	4.2.5	Mosquito study	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.6	Ungulate exclusion and control study	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Experimental tests are needed of alternative methods for controlling and/or excluding feral pigs, goats, sheep, mouflon, and axis deer.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.7	Weed study/control	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.8	Yellow-jacket wasp study	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.2.9	Barn owl and pueo study	Partially Complete	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.3.1	Examine response of populations to habitat restoration, including the provisioning of food, foraging substrates, nest-sites, and roost sites, as well as the effects of habitat restoration on threats such as mosquitoes, predators, and competitors	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	4.4.1	Address public health concerns regarding aerial broadcast of rodenticide and its effects on both game and non-game non-target species, and its persistence in watershed and sediments	Ongoing Current	FY 2000 - FY 2004		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.5.1.1	Determine if sleeping habits may reduce exposure to mosquitoes and predators	Not Started			University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	4.5.2.1	Develop molecular methods for identifying individuals who are more likely to survive pox and malaria infections or to resist them	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	4.5.2.2	Refine diagnostic methods for identifying individuals who have survived acute disease and who have acquired immunity to reinfection	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.6.1.2	Determine if application of fertilizer to host plants increases growth, and productivity of flowers and arthropods	Not Started			University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.6.1.3	Develop effective techniques for restoration of degraded and deforested lands	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.6.2.1	Develop a comprehensive library of microsatellite loci	Ongoing Current	FY 1995 - FY 1999		San Diego Zoological Society, University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.8.8	Determine the role that endoparasites such as Coccidea play in demography of birds	Planned			University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.8.9	Monitor long-term changes in the prevalence and transmission of avian diseases in recovery forest bird habitats	Ongoing Current	Prior to FY 1995		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	4.9	Develop and test improved survey and monitoring techniques in recovery area for extremely rare species and species difficult to monitor using standard methods	Ongoing Current	FY 1995 - FY 1999		University of Hawaii, Research Institutions, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Molokai thrush (Myadestes lanaiensis rutha), Molokai creeper (Paroreomyza flammea), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola au (honeycreeper) (Hemignathus munroi), Kauai `o`o (honeyeater) (Moho braccatus), Po`ouli (honeycreeper) (Melamprosops phaeosoma), `O`u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Maui akepa (honeycreeper) (Loxops coccineus ochraceus), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Bishop's `o`o (Moho bishopi), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys), Oahu creeper (Paroreomyza maculata)	1	5.1	Conduct systematic surveys of all forest bird habitat on Kaua`i, O`ahu, Moloka`i, Lana`i, Maui, and Hawai`i at least once every five years to determine changes in distribution and population size of all native and nonnative forest birds	Ongoing Current	Prior to FY 1995		University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	5.2.1	Conduct systematic surveys of mamane forest on Mauna Kea, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	Prior to FY 1995		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Annual survey.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	5.2.2	Conduct systematic surveys of Hakalau Forest NWR, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	Prior to FY 1995		University of Hawaii, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Annual survey.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	5.2.3	Conduct systematic surveys of Kona Unit, Hakalau Forest NWR, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Annual survey.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	5.2.4	Conduct systematic surveys of Ka'ū Forest, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	FY 2000 - FY 2004		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Every 2 years.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	5.2.5	Conduct systematic surveys of Pu'u Wa'awa'a Forest Bird Sanctuary, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	FY 1995 - FY 1999		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Every 2 years.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	5.2.6	Conduct systematic surveys of Kylan, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	Prior to FY 1995		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Annual survey.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	5.2.7	Conduct systematic surveys of Keauhou Ranch/Kilauea Forest, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	Prior to FY 1995		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Kamehameha Schools, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Annual survey. Total cost based on annual cost for 30 years.
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	2	5.2.8	Conduct systematic surveys of Mauna Loa Strip, Hawai'i, to determine annual and seasonal changes in distribution and population size	Ongoing Current	FY 1995 - FY 1999		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Annually/biannually. Total cost based on annual cost for 30 years.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Molokai thrush (Myadestes lanaiensis rutha), Molokai creeper (Paroreomyza flammea), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola au (honeycreeper) (Hemignathus munroi), Kauai `o`o (honeyeater) (Moho braccatus), Po`ouli (honeycreeper) (Melamprosops phaeosoma), `O`u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Maui akepa (honeycreeper) (Loxops coccineus ochraceus), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Bishop's `o`o (Moho bishopi), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys), Oahu creeper (Paroreomyza maculata)	1	5.3	Establish and support an interagency Forest Bird Monitoring Coordinator position to coordinate monitoring and provide regular reports on the status and trend of forest bird populations	Ongoing Current	FY 2005		Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	6.1.1.1	Develop scenic overlook and trail with interpretive displays depicting native forest birds at Saddle Road 21 mile marker, Hawai'i	Ongoing Current	FY 2006		Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	6.1.1.2	Improve parking area and interpretive displays at Pu'u 'O'o Trail, Saddle Road, Hawai'i	Partially Complete	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	6.1.1.3	Develop several short loop trails at Mauna Loa Strip Road, Hawai'i Volcanoes National Park	Partially Complete	FY 2000 - FY 2004			Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.1.1.4	Expand visitor use with a loop trail and interpretive displays at Hakalau Forest NWR, Hawai'i	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola' au (honeycreeper) (Hemignathus munroi)	3	6.1.1.6	Work with Na Ala Hele to add material on birds to their interpretive displays and brochure at Ainapo Trail, Hawai'i	Planned			Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	6.1.1.7	Develop a system of trails with interpretive displays at Pu'u Wa'awa'a Forest Bird Sanctuary, Hawai'i	Ongoing Current	FY 2006		Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi)	3	6.1.1.8	Develop a system of trails with interpretive displays at Pu'u Maka'ala, Laupahoehoe, Kipahoehoe, Manuka, and Pu'u O'umi NARS, Hawai'i	Ongoing Current	FY 2006		Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Oahu Elepaio (Chasiempis sandwichensis ibidis)	3	6.1.2.1	Promote increased access and interpretation programs on lands where native species are found: Hawai'i, Hakalau Forest NWR, Hakalau and Kona Forest Units	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Oahu Elepaio (Chasiempis sandwichensis ibidis)	3	6.1.2.2	Promote increased access and interpretation programs on lands where native species are found: Hawai'i, Pu'u Wa'awa'a Forest Bird Sanctuary	Ongoing Current	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Hawaii creeper (Oreomystis mana), Akiapola'au (honeycreeper) (Hemignathus munroi), Palila (honeycreeper) (Loxioides bailleui)	2	6.1.3.1	Expand visitor awareness with development of visitor centers, displays and facilities, and public services interpretive programs: Hawai'i, Hakalau Forest NWR	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.1.3.3	Expand visitor awareness with development of visitor centers, displays and facilities, and public services interpretive programs: O'ahu, Honolulu Zoo	Ongoing Current	FY 2000 - FY 2004		Honolulu Zoo	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.1.4	Promote the opening of State Forest reserve trails to the general public for nature walks and birding on all islands	Ongoing Current	FY 2000 - FY 2004		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamporosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.1.5	Support the Na Ala Hele Trail System	Ongoing Current	FY 1995 - FY 1999		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.1.1	Institute core curriculum programs at the university level emphasizing Hawaii's native species for elementary and high school education programs	Planned	FY 2006		University of Hawaii	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.1.2	Develop an interpretation internship program for university students specializing in the field of forest bird information and education	Not Started			University of Hawaii	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.1.3	Provide permanent funding for programs such as Imi Pono No Ka Aina, an Environmental Educator program at Hawai'i Volcanoes National Park that educates teachers through accredited workshops in environmental and native species issues	Ongoing Current	FY 2006		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.2.1.4.1	Fund the development and distribution of educational materials: Develop forest bird posters for schools, emphasizing each of the native forest birds and keyed to each islands endemic species	Complete	FY 2000 - FY 2004	FY 2006	To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.2.1.4.2	Fund the development and distribution of educational materials: Keauhou Ranch/Kilauea Forest Reserve. Assist Kamehameha Schools with ongoing development of environmental learning opportunities	Ongoing Current	FY 2000 - FY 2004		Kamehameha Schools, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.2.1	Fund and support programs for school children on each island that provide a hands on approach to learning about Hawaii's native species: Keokeolani Outdoor Education Program on the Big Island; Maui Outdoor Education Center on Maui; Hawai'i Nature Center on O'ahu; The Discovery Outdoor Education Center on Kaua'i; and funding for the establishment of a Moloka'i Outdoor Education Center	Ongoing Current	FY 2000 - FY 2004		Hawai'i Outdoor Education Centers	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.2.2	Fund and support organizations such as 'Ohi'a Productions and Keauhou Bird Conservation Center that provide environmental educational programs to Hawaii's school children	Ongoing Current	Prior to FY 1995		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.2.2.1	Provide funding for 'Ohi'a Productions to perform on other islands and to produce videos of previous performances for distribution to schools throughout Hawai'i	Ongoing Current	FY 2005		Ohia Productions	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.2.3	Develop and support programs such as Malama Hawai'i, that encourage widespread awareness of conservation goals through a diverse coalition of traditional and non-traditional partnerships	Ongoing Current	FY 1995 - FY 1999		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.3.1	Fund, create and support continuous maintenance of an informational website focused on native species, their habitats, as well as alien species and their effects on native species, and provide up to date information that can be utilized and copied onto other web sites to spread the information	Ongoing Current	FY 2000 - FY 2004		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	6.2.4.1	Initiate and fund public outreach and information about the effect of rats and cats as vectors for human disease, agricultural pests, and their threats to native species as predators	Partially Complete	FY 2000 - FY 2004		Hawaii Department of Health, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	1	6.2.4.2	Initiate public outreach efforts to inform the public about potential human and animal diseases transmitted by mosquitoes and how source reduction can reduce those threats	Ongoing Current	FY 2000 - FY 2004		Hawaii Department of Health, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.2.4.3	Inform the public as to the value of feral ungulate and weed control in native forests by providing film and video footage of the harmful effects of alien weeds and ungulates on native species and agriculture	Ongoing Current	FY 2000 - FY 2004		Hawaii Department of Health, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.3.1	Conduct market research on the public's knowledge of native species and attitudes towards conservation, to provide the information to develop the most direct ways to educate the public and gain support for native species	Partially Complete	FY 2000 - FY 2004		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.3.2.1	Assist in the development of public service announcements about native species by providing local television stations with footage of native species with natural sounds and suggest their use as background visuals or sounds during credits for local or other programming	Ongoing Current	FY 2000 - FY 2004		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.3.2.2	Use local "heroes", entertainers, sports figures, or other role models, to promote local pride in common native and endangered species	Planned			To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.2.3	Promote the use of prize-winning contests, with sponsors, on local radio, television stations and newspapers to promote native species awareness	Not Started			To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.2.3.1	Sponsor and support contests such as: Forest bird website contest among high school students, forest bird essay contest in Hawaii's schools with prizes for different grade levels, forest bird photo contest, or a song writing contest with the song to be used for a theme song for a locally produced nature program	Not Started			Hawaii Department of Education	Work type not yet selected	Labor type not yet selected	

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Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.2.4.1	Develop a weekly column provided to all newspapers in Hawai'i providing information on native species and ecosystem issues, with the writing shared by conservation organizations throughout the state	Planned			To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.2.4.2	Develop a weekly program for radio stations on all islands providing information on native species and ecosystem issues, with the writing shared by conservation organizations throughout the State.	Planned			To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.2.4.3	Develop a half hour weekly or monthly television nature program about Hawaii's native species and their habitat	Planned			To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.3.1	Promote the use of the 'i'iwi or a caricature of 'i'iwi as the Poster Child for native species in advertising and in education	Ongoing Current	FY 2005		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.3.2	Provide native species images and promote the use of these images in advertising by advertising agencies, local and national fast food corporations for use in advertising on tray-liners, milk cartons, and other heavily used advertising media	Ongoing Current	FY 2000 - FY 2004		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu' u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola' au (honeycreeper) (Hemignathus munroi), Kauai 'o' o (honeyeater) (Moho braccatus), Po' ouli (honeycreeper) (Melamprosops phaeosoma), 'O' u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.3.4.1	Promote the hosting of special events in cooperation with major local hotels and corporations as partners for funding, and to champion native species and ecosystem awareness	Ongoing Current	FY 1995 - FY 1999		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.4.1.1	Support conservation outreach organizations to promote conservation at a grass roots level	Ongoing Current	FY 1995 - FY 1999		To be determined	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	3	6.4.1.2	Develop a mentor program, where natural science based professionals provide field opportunities for young people in learning about Hawaii's native species	Ongoing Current	Prior to FY 1995		University of Hawaii, Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaii akepa (honeycreeper) (Loxops coccineus coccineus), Nukupu'u (honeycreeper) (Hemignathus lucidus), Crested honeycreeper (Palmeria dolei), Small Kauai (=puaiohi) Thrush (Myadestes palmeri), Hawaii creeper (Oreomystis mana), Kauai akialoa (honeycreeper) (Hemignathus procerus), Akiapola'au (honeycreeper) (Hemignathus munroi), Kauai 'o'o (honeyeater) (Moho braccatus), Po'ouli (honeycreeper) (Melamprosops phaeosoma), 'O'u (honeycreeper) (Psittirostra psittacea), Palila (honeycreeper) (Loxioides bailleui), Oahu Elepaio (Chasiempis sandwichensis ibidis), Akikiki (Oreomystis bairdi), Large Kauai (=kamao) Thrush (Myadestes myadestinus), Maui parrotbill (honeycreeper) (Pseudonestor xanthophrys)	2	6.4.1.3	Support the use of volunteers in projects on State, Federal and private lands that will contribute to the enhancement of native habitat and increase the level of awareness and pride in native species within the local populace	Ongoing Current	Prior to FY 1995		Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, Natural Area Reserve system, U.S. Fish and Wildlife Service, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
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